

## ABSTRACT

A system may include a voltage regulator converter, the voltage regulator converter comprising  $N$  ( $N > 1$ ) phases, and a voltage regulator controller coupled to the voltage regulator converter and to control the voltage regulator converter to generate a first current  
5 within a first one of the  $N$  phases and to generate a second current within a second one of the  $N$  phases, wherein the first current is different from the second current.